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thirst for further knowledge of the subject in the mind of the reader.

Abundant illustrations add immeasurably to the attractiveness and usefulness of this contribution. An exceptionally valuable feature is the large-scale colored life-zone map of Glacier Park. This zone map, resulting from Mr. Bailey's own field work, not only furnishes the owner of this brochure with a ready geographic index to the region, but in connection with the text, it provides him with the means of locating himself definitely as regards the belt of animal and plant life in which he may find himself at any point or along any route.

The accounts of the birds consist chiefly of facts concerning the manner of occurrence of the species in Glacier Park, together with life-history notes to an extent that the necessary limits of space permit. Particularly full accounts are given, in Mrs. Bailey's vivid style, of the White-tailed Ptarmigan, Barrow Golden-eye, Harlequin Duck, and Water Ouzel.

The Baileys are to be congratulated upon their opportunity to inaugurate what must become an increasingly important function of the National Park Service, namely to make known to a large and receptive class of people the wild life resources of national parks. And the National Park Service is to be congratulated upon the good fortune in securing such experienced naturalists to initiate their efforts in getting value out of this asset.—J. GRINNELL.

AN ANNOTATED LIST OF THE BIRDS OF SAN DIEGO COUNTY, CALIFORNIA, by FRANK STEPHENS. Transactions San Diego Society of Natural History, vol. 3, no. 2, pp. 142-180. Issued February 15, 1919.

The most striking feature of the present list is its conciseness. It is our belief that this paper will prove of more than ordinary value to the layman. For one thing, the typography of the paper is such that one is enabled to turn to any desired species with a minimum of eye strain and effort, and there is a well-executed index.

The 320 species treated are listed under orders and families in the familiar A. O. U. order. Points such as general habitat, food and economic status are concisely treated under each order heading, while under each species there is a brief but excellent account covering such points as relative numbers, local habitat, breeding, and, in the rarer species, a record of the capture of specimens.

Mr. Stephens' many years of observation

in California, equalled by few if any ornithologists now living, make his comments on the present and former abundance of certain birds of especial value. His opinion regarding the economic status of various species, based on years of experience also as a rancher, is to be held in high esteem by those who are familiar with the conservative and impartial judgment of the man.—J. DIXON.

BIRDS OF THE KANSAS CITY REGION. By HARRY HARRIS. Transactions of the Academy of Science of St. Louis, vol. XXIII, no. 8, pp. 213-371, 4 text figs. (maps). Issued February 27, 1919.

In this paper we find a regional list of unusual merit. While we are not at all familiar with the ornithology of the Kansas City region, we are inclined to have the utmost confidence in the accuracy of the facts given, on the basis of the thoroughness of the workmanship shown in other respects. The arrangement is excellent; the bibliography is full, and the comments offered on the titles are illuminative; and the index is unusually complete.

The paper is much more than a list, as the annotations relating to manner of occurrence, habits, etc., of a single species often amount to half a page. The total number of species admitted is 343, though 8 of these are now extinct in the region. A notable feature is the detailed explanation of the distribution of the three subspecies of Red-winged Blackbird, two of which breed in Kansas and a third appears in migration, and through the winter as well, sometimes in company with the others.

All in all, Mr. Harris has planned and put through a thoroughly creditable piece of work, and one which must mark a far advance in the development of Kansas ornithology.—J. GRINNELL.

## MINUTES OF COOPER CLUB MEETINGS

### NORTHERN DIVISION

FEBRUARY.—The regular monthly meeting of the Northern Division of the Cooper Ornithological Club was held at the Museum of Vertebrate Zoology at 8 P. M., February 20, 1919. President Evermann was in the chair, and the members present were Messrs. Bryant, Carriger, Cohen, Cooper, Grinnell, Hall, Hansen, Hunt, Lastreto, Law, Mailliard, Moffitt, Storer, Swarth, Wheeler, Wright; Mesdames Allen, Bamford, Grinnell, Knappen, Law, Newhall, Roe, Schlesinger and

Wythe. The visitors present were Mr. Cox, Mr. Lincoln, Miss Adams and Mrs. Swarth.

The minutes of the January meeting were read and approved, and the January minutes of the Southern Division were read. Professor Ivan Hall, Mr. John O'Connell and Mr. Walter Sellner were elected to membership and the names of R. J. Middleton and C. I. Rawson, elected by the Southern Division, were approved. New names presented were those of Miss Mary E. McLellan, Berkeley, by Dr. Evermann, and Mr. Richard Cox, Oakland, by H. E. Hansen, together with twelve names presented to the Southern Division at its January meeting.

On recommendation of the Executive Committee of the two Divisions, Messrs. Chambers and Law were re-elected Business Managers of the Club, and Dr. Joseph Grinnell, Editor, and Mr. H. S. Swarth, Associate Editor, of *THE CONDOR*.

Mr. Wheeler reported continuation of activity on the part of the committee which had been appointed to conduct investigations relative to the licensing of cats. The Business Managers' report, presented by Mr. Law, revealed a gratifying condition of solvency on the part of the Club. The Affiliation Committee of the Pacific Division of the A. A. S. reported with regard to the meeting to be held at Pasadena, and the following committee was instructed to prepare a program for that occasion: Mrs. Allen, Mr. Mailliard and Dr. Grinnell.

Mr. Hunt then presented a paper on *Methods of Representing Bird Songs*. Adjourned.—AMELIA S. ALLEN, *Secretary*.

MARCH.—The regular monthly meeting of the Northern Division of the Cooper Ornithological Club was held at the Museum of Vertebrate Zoology at 8 P. M., March 20, 1919. President Evermann was in the chair, and the other members present were: Messrs. Bryant, Carriger, Cooper, Dixon, Grinnell, Hall, Lamb, Kibbe, Lastreto, Palmer, Storer, Swarth, Wheeler and White; Mesdames Allen, Gifford, Field, Grinnell and Kibbe. The guests present were Mr. and Mrs. Gifford, Mrs. Evermann, Mrs. Swarth and Mrs. Wheeler.

The minutes of the February meeting were read and approved. Miss Mary E. McLellan and Mr. R. Cox were elected to membership, as were also twelve others whose names had been proposed to the Southern Division at its January meeting. New names presented were those of Mr. F. N. Bassett, Alameda, by Mr. H. C. Bryant, and Mrs. Flora C. Hayes, Berkeley, by Miss Margaret W. Wythe.

A letter from Mr. Harold Heath recording the presence of a Caracara at Monterey was read by Dr. Grinnell. Mr. Kibbe reported on the status of the cat in six different places in the United States where ordinances have been adopted with reference to the keeping of cats. On motion of Mr. Wheeler, seconded by Mr. Lastreto, it was voted that a resident of Berkeley, equipped with a model ordinance, be appointed to take up the question of the licensing of cats with the city council. Mr. Kibbe was duly appointed.

Mr. E. W. Gifford then gave the program of the evening, his subject being "The Birds of Ancient Egypt". This was illustrated by lantern slides showing drawings taken from the ancient monuments and from modern paintings of Egyptian birds.

The death of Mr. Malcolm P. Anderson was announced, and Messrs. Grinnell, Dixon and Lamb were appointed to draw up appropriate resolutions of condolence. Adjourned.—AMELIA S. ALLEN, *Secretary*.

#### SOUTHERN DIVISION

JANUARY.—The regular monthly meeting of the Southern Division of the Cooper Ornithological Club was held at the office of Mr. Howard Robertson, Los Angeles, the evening of January 30, 1919. President Miller was in the chair, while Mr. Chambers was appointed Secretary pro tem. Other members present were: Messrs. Bishop, Colburn, Daggett, Dawson, Hanaford, Reis, Rich, Robertson, and Stivers. J. H. Taylor was a visitor.

Messrs. R. J. Middleton and C. I. Rawson were elected to membership. New names presented were: Selwyn Rich, Claremont, Gordon Nicholson, Ontario, and Leonard Krehbiel, Upland, by Wright M. Pierce; Thomas E. Thompson, Los Angeles, by C. O. Esterly; A. Russell Smith, North Glendale, Penn., by Wharton Huber; Herbert L. Thowless, Newark, N. J., by B. S. Bowdish; Zulenla Parcett, Los Angeles, by Loye H. Miller; William Griffiee, Norton, Kan., by Guy Love; Wallace Ashley Deane, Washington, D. C., by T. S. Palmer; Jesse H. Taylor, Eagle Rock, Harry Edgar Wheeler, Conway, Ark., and Charles Alfred Gianini, Poland, N. Y., by W. Lee Chambers. There were also presented three names from the Northern Division.

Dr. Miller submitted the following resolution on the death of Olive Thorne Miller, which was ordered spread upon the minutes:

"Whereas, in the death of Olive Thorne

Miller, the Cooper Ornithological Club has lost one of its valued and distinguished members, one who has not only added to the sum of our knowledge of birds, but who has labored long and well in the dissemination of that knowledge and in the stimulus of a wider interest in birds, especially on the part of young people; be it therefore

"Resolved, that this society spread upon its minutes, and publish in its bulletin, this expression of its respect and appreciation, and this acknowledgement of the great loss that has befallen the science of ornithology, in the passing of Olive Thorne Miller."

An invitation to participate in the 1919 meeting of the Pacific Division of the American Association for the Advancement of Science, was read. The following nominations for officers for the current year were made: President, L. H. Miller; Vice-president, George Willett and Howard Robertson; Secretary, L. E. Wyman. Mr. Robertson was appointed a committee of one to draw up resolutions on the death of Durno I. Shephardson, which occurred early in January.

In the general discussion that followed, several members reported the Western Golden-crowned Kinglet at and near sea-level, in various localities in southern California, as Long Beach, Santa Barbara, Los Angeles and Eagle Rock. Mr. Dawson told of the progress being made on the "Birds of California", reporting that in all probability the manuscript will be completed by September of this year, while the technical work is about half done. He spoke enthusiastically also on the Museum of Comparative Oology, and of original work he is attempting in connection with that institution, presenting the subject in a very convincing way.

Mr. Robertson then invited the members to inspect a large relief map of southern California, said to be the finest of its kind in existence. He called special attention to that part of the country traversed by the Los Angeles Aqueduct system, and its zoological conditions and possibilities. Adjourned.  
—W. LEE CHAMBERS, *Secretary, pro tem.*

FEBRUARY.—The regular monthly meeting of the Southern Division of the Cooper Ornithological Club was held at the Museum of History, Science and Art on the evening of February 27, 1919, with President Miller in the chair and other members present as follows: Messrs. Appleton, Bishop, Brouse, Brown, Chambers, Hanafor, Higgins, Howell, Little, Reis, Rich, Willett and Wyman.

On motion by Dr. Rich the Secretary was instructed to cast an electing ballot for the

applicants whose names were presented at the January meeting. New names presented were: Clyde Field, San Diego, by F. Stephens; Ernest K. Schleichert, Washington, D. C., by W. Lee Chambers; Chreswell John Hunt, Chicago, Ill., by Benjamin T. Gault; Napier Smith, Montreal, Quebec, by L. McL. Terrill; Ira N. Gabrielson, Corvallis, Oregon, by Stanley Jewett; and Dr. H. C. Henderson, Carpinteria, by Miss Charlotte Bowditch. Election of officers was then in order. Mr. Willett, on account of his anticipated long absence, withdrew as nominee for Vice-president, and on proper motion the Secretary was instructed to cast electing ballots for Dr. L. H. Miller, Howard Robertson, and L. E. Wyman, as President, Vice-president and Secretary, respectively, for the ensuing year.

A letter from the Secretary of the Northern Division, relative to the action of the Southern Division in voting to establish a club library, and indicating opposition to this action, was read; on motion by Mr. Willett a reconsideration was postponed to a later meeting. A letter from Mr. E. W. Nelson, to Mr. Howell, asking whether the Migratory Bird Law is being properly observed in this section, was presented to the members. Violations were reported common in Imperial Valley, but otherwise the law seems to be generally observed.

The matter of a fungus growth on eggs in cabinets was brought before the members in a letter from Mr. F. H. Kennard. Dr. Bishop stated that his collection has been seriously affected and that he has found no efficient remedy against the pest, which apparently has not reached the Pacific Coast.

Mr. Willett moved that the Secretary be instructed to acknowledge to Mrs. D. I. Shephardson the donation of Mr. Shephardson's collection of nests and eggs. The motion was seconded by Dr. Rich and carried. Mr. Chambers read and explained the annual report of the Business Managers of THE CONDOR, which showed a remarkably flattering condition of finances. On motion by Mr. Willett, seconded by Mr. Reis, a vote of thanks was extended to Messrs. Law and Chambers for their generous and efficient work in behalf of the Club.

During an hour of general discussion Mr. Willett related conditions in the Sacramento Valley, chiefly as affecting game birds. Apparently geese are decreasing materially. He learned of only one specimen of the Tule Goose having been taken during the past season in that locality. Egrets seem every-

where more common and are apparently increasing. Dr. Bishop read some interesting notes from Carmel and Santa Barbara, and Mr. Howell told of recent experiences in the San Gabriel Mountains, at Camp Baldy. Adjourned.—L. E. WYMAN, *Secretary*.

MARCH.—The regular monthly meeting of the Southern Division of the Cooper Ornithological Club was held at the Museum of History, Science and Art on the evening of March 27, 1919. The business meeting was preceded by an exhibition of lantern slides, made by the autochrome method by Mr. Donald R. Dickey, whose remarkable skill in the handling of difficult subjects and a difficult method was greatly appreciated. The audience consisted of members, their families and friends, to the number of forty or more.

Minutes of the February meeting were read and approved. On motion by Mr. Law, seconded by Mr. Chambers, the Secretary was instructed to cast an electing ballot for the applicants whose names were presented at the previous meeting. New names submitted were: Donald C. Meadows, Orange, by Wright M. Pierce; H. O. Parks, Willcox, Ariz., by A. P. Smith; Nephi Reynolds, Salt Lake City, Utah, and G. Raymond Walker, Murry, Utah, by A. O. Treganza; John Alden Shepard, Salt Lake City, Utah, by Mrs. A. O. Treganza; also three names from the Northern Division.

The matter of participation in the coming meeting of the Pacific Division of the American Association for the Advancement of Science was again brought before the members. On motion by Mr. Law, seconded by Mr. Willett, it was expressed as the sense of the meeting that the Cooper Club should co-operate with the Western Society of Naturalists in representation at these meetings.

Dr. Esterly moved that this Division concur with the Northern Division in the matter of a depository for Cooper Club property in the shape of notebooks and manuscripts, in that these should properly be placed in care of the business managers. Motion seconded by Willett and carried.

A letter from Miss Mary Mann Miller, expressing appreciation of the resolution on the death of her mother, Olive Thorne Miller, was read. Adjourned.—L. E. WYMAN, *Secretary*.

#### INTER-MOUNTAIN CHAPTER

JANUARY.—After a long period of enforced inactivity, the Inter-Mountain Chapter of the Cooper Ornithological Club held a business

meeting on January 8, 1919, at which time new officers were elected as follows: President, John Sugden; Vice-president, A. D. Boyle; Secretary and Treasurer, Mrs. A. O. Treganza. The evening was spent in a general discussion of bird legislation. After its first inception, in 1912, the Utah Audubon Society lay dormant. A meeting was called January 2, 1919, at which time officers were elected. Most of the trustees, officers and members being Cooper Club members, it was voted to hold the meetings of the Utah Audubon Society in conjunction with the Cooper Club. Adjourned.—Mrs. A. O. TREGANZA, *Secretary*.

FEBRUARY.—The Inter-Mountain Chapter of the Cooper Ornithological Club met February 12, 1919, in the reading room of the Deseret Gymnasium. Eight members and nine visitors were in attendance. President Sugden presided. Dr. D. Moore Lindsay gave a most interesting talk upon the birds of the English and Irish coasts and of Greenland. Roosevelt, the naturalist, was depicted by A. O. Treganza. After the program, the business of the meeting was taken up. Adjourned.—Mrs. A. O. TREGANZA, *Secretary*.

MARCH.—The Inter-Mountain Chapter of the Cooper Ornithological Club met March 12, 1919, at 8 P. M., in the reading room of the Deseret Gymnasium. Prof. J. H. Paul presided. Nine members and two visitors were in attendance. Nephi Reynolds and Mr. and Mrs. J. A. Shepard were new members welcomed into the club. Prof. J. H. Paul gave a splendid talk on "Bird Neighbors", also exhibiting many skins of local birds. A review of Beebe's book, "The Bird", was begun by Ashby D. Boyle. Adjournment left this topic to be continued at next meeting. Adjourned.—Mrs. A. O. TREGANZA, *Secretary*.

#### DIRECTORY OF MEMBERS OF THE COOPER ORNITHOLOGICAL CLUB

Revised to May 1, 1919

Residence in California unless otherwise stated. Year following address indicates date of election; year in parenthesis indicates date honorary member joined the Club. Star preceding name indicates life member.

#### HONORARY MEMBERS

Allen, Dr. J. A., Amer. Museum Nat. Hist., New York, N. Y. 1910.  
Henshaw, H. W., Biol. Survey, Washington, D. C. 1909.